

Rabbit Bcl-X Polyclonal Antibody | anti-BCL2L1 antibody

Anti-Bcl-X Antibody

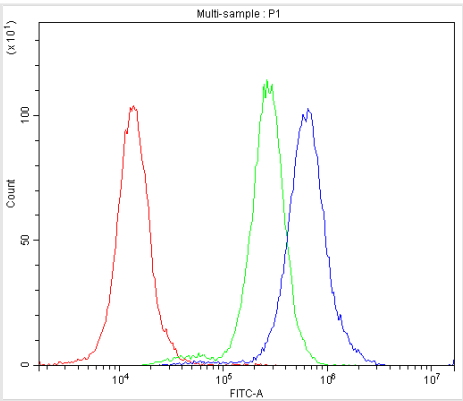
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46596	Rabbit	Human No cross reactivity with other proteins.	Western Blot

PRODUCT SYNONYMS

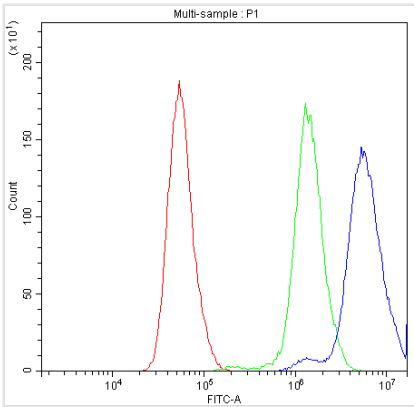
Bcl-X; Polyclonal Antibody; Anti-Bcl-X Antibody; Apoptosis regulator BclX; Bcl 2 like 1; Bcl2 like1; Bcl 2 like 1 protein; Bcl xL; BCL XL/S; Bcl xS; BCL2L; BCL2L1; Bclx; Q07817 ; Bcl-2-like protein 1; BCL2-like 1; anti-BCL2L1 antibody

PRODUCT SPECIFICATIONS

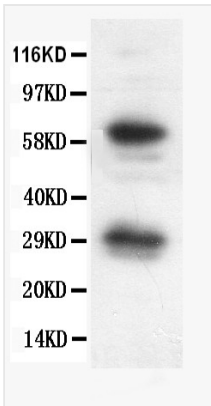
Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	170
Applicable Applications for anti-BCL2L1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Bcl-X (75-105aa LDAREVIPMAAVKQALREAGDEFELRYRRAF), identical to the related mouse and rat sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of A549 cells using anti-Bcl-X antibody (AAA46596).Overlay histogram showing A549 cells stained with AAA46596 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit Anti-Bcl-X Antibody (AAA46596,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of PC-3 cells using anti-Bcl-X antibody (AAA46596).Overlay histogram showing PC-3 cells stained with AAA46596 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Bcl-X Antibody (AAA46596,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Bcl-X using anti- Bcl-X antibody (AAA46596).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: SW620 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- Bcl-X antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Bcl-X at approximately 29 KD, 60KD. The expected band size for Bcl-X is at 26KD.

ADDITIONAL INFORMATION

Related Product Information for anti-BCL2L1 antibody	Rabbit IgG polyclonal antibody for Bcl-2-like protein 1 (BCL2L1) detection. Background: Bcl-2-like protein 1, also known as Bcl-X, is a protein that in humans is encoded by the BCL2L1 gene. The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform (Bcl-xL) acts as an apoptotic inhibitor and the shorter form (Bcl-xS) acts as an apoptotic activator.
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References	1. "Entrez Gene: BCL2L1 BCL2-like 1". 2. Boise LH, González-García M, Postema CE, Ding L, Lindsten T, Turka LA, Mao X, Nuñez G, Thompson CB (Aug 1993). "bcl-x, a bcl-2-related gene that functions as a dominant regulator of apoptotic cell death". Cell 74(4): 597-608.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502381
NCBI GeneID	598
NCBI Accession #	NP_001182.1
NCBI GenBank Nucleotide #	NM_001191.3
UniProt Accession #	Q07817; Q5CZ89; Q5TE65; Q92976; E1P5L6
Molecular Weight	25,290 Da
NCBI Official Full Name	bcl-2-like protein 1 isoform Bcl-X(S)
NCBI Official Synonym Full Names	BCL2 like 1
NCBI Official Symbol	BCL2L1
NCBI Official Synonym Symbols	BCLX; BCL2L; Bcl-X; PPP1R52; BCL-XL/S
NCBI Protein Information	bcl-2-like protein 1
UniProt Protein Name	Bcl-2-like protein 1
UniProt Gene Name	BCL2L1
UniProt Synonym Gene Names	BCL2L; BCLX; Bcl2-L-1
UniProt Entry Name	B2CL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.